GATHRIGHT WILDLIFE MANAGEMENT AREA

GATHWMA FY2021-001

NOTICE OF TIMBER SALE (REGENERATION HARVEST)

The Virginia Department of Wildlife Resources (DWR), is offering a mixed hardwood/pine regeneration harvest for sale. Sealed bids will be received for the purchase of pulpwood and sawtimber designated for removal in harvest on the Gathright Wildlife Management Area located in Bath County. Five (5) units and a road daylighting are to be harvested to make a total harvest acreage of 70.1. Maps showing tract locations and access are attached. Bids will be received by the Virginia Department of Wildlife Resources, Attention: Department Forester, P.O. Box 996, Verona, Virginia 24482 until 11:00 a.m., Tuesday February 16, 2021, at which time all bids will be opened.

The timber sale boundaries are defined with blue paint stripes. Ingress and egress shall be only through access roads shown on the maps or mutually agreed upon. Logging operators must be certified as a SHARP LOGGER or equivalent. All logging activity will be confined within the sale area and any logging debris accumulated outside the area or within reserve strips, if applicable, must be pulled within the sale area. Logging slash will be distributed throughout the stands and removed from the major forest access roads. Stump height shall approach ground level and must not exceed ten inches above mineral soil.

Site Visit: Show date on February 2, 2021 at 10:00 am or visit the site at your convenience. Meet at the north Coles Mt. Parking area off Route 600 near Lake Moomaw.

The approximate volume of sawtimber and pulpwood to be harvested is listed below:

The following volumes are only estimates and not guaranteed. Each bidder is urged to use their

own cruise data to compute bids.

onipato biaci	
Pine Pulpwood	12 Std. Cds.
Hard Pulpwood	2028 Std. Cds
Pine Sawtimber	11,391 Bd. Ft. Int.1/4
Hard Sawtimber	940,629 Bd. Ft. Int. 1/4

No bids on a log scale or mill tally basis shall be considered. A deposit of **fifteen percent of the bid price** must accompany all bids. In order for a bid to be accepted, the deposit must be in the form of a check made payable to the **Treasurer of Virginia**. The deposit shall be credited toward the purchase price of the timber for the successful bidder. Deposits will be returned to all other bidders. Bids to purchase portions of the timber offered, or bids on a log scale or mill run price shall not be considered.

<u>All bids will be submitted on a lump sum basis</u>. The written bid must be quoted to <u>two decimal places</u> to minimize the chance of duplicate bids. **The timber sale shall be awarded to the purchaser submitting the highest bid.**

A drawing will be held to break tie bids. The Virginia Department of Wildlife Resources reserve the right to reject any and all bids.

QUESTIONS REGARDING THIS BID SOLICITATION MAY BE DIRECTED TO: Kent Burtner: Telephone – (O) 540-248-9383 (C) 434-981-6643.

INSTRUCTIONS

1. Be sure to enter your complete and correct address.

- 2. All bids will be on the basis of lump sum price quotes (\$0.00) of all pulpwood and sawtimber. Carry all bid quotations to two decimal places. Approximately 2040 cords of pulpwood and 952,020 board feet of sawtimber are to be harvested. Bids will be received by the Virginia Department of Wildlife Resources, Attention: Department Forester, P.O. Box 996, Verona, Virginia 24482 until 11:00 a.m.February16, 2021 at which time all bids will be opened. The bidders are required to make a down payment of 15% to the Treasurer of Virginia. This money will go toward payment for timber to be harvested.
- 3. Seal your proposal in the envelope marked as follows: "Sealed Bid for Timber Sale on the Gathright Wildlife Management Area. OPEN: February 16, 2021, at 11:00 a.m." Please write your name on the sealed envelope, "Bid Proposed by: (Name)."
- 4. Enclose this sealed envelope in your envelope addressed to the Virginia Department of Wildlife Resources, Attention: Forester, P.O. Box 996, Verona, Virginia 24482.
- 5. Be sure your bid is signed, sealed and mailed in time to reach the Virginia Department of Wildlife Resources office well before 11:00 a.m., February 16, 2021.

GATHRIGHT WILDLIFE MANAGEMENT AREA

GATHWMA FY2021-001

make a total acreage of 70.1. A listing of	of units to be harvested and acreage involved
is attached. Maps showing locations DWR, personnel will take prospective b	and access are also attached. On behalf of buyers to the harvest units if requested.
2 1 1 1 3, porosimo, militario prospessivo s	Date, 20
I , of	
I, of,	(RURAL/PO BOX, CITY)
Virginia, (ZIP CODE) [Phone Number: ()] hereby offer to purchase the
timber designated for removal in a regeneration harvest on the a Management Area. I understand that the bid quotation below is perform needed work and that said bid price is firm for the duration required to make a down payment of 15% (made payable to the bid opening with balance due when the harvest begins. The bid	for competitive selection of purchaser to on of the contract. The high bidder will be Treasurer of Virginia) of the bid price at
(\$)	
I agree that the awarding of said contract shall be to the purc identical bids, final determination will be by drawing restricted understand that the Virginia Department of Wildlife Resources re	d to those parties of identical bids. I also
A purchaser is in default if his bid is accepted and he fails to ab as offered. Debarment, suspension or rejection of future bids by	
Signature	
	Name (Typed or Printed)
Send to: Virginia Department of Wildlife Resources, Attention: Forest	tor B O Roy 006 Vorona VA 24492
virginia Department of Whome Resources, Attention: Forest	<u>ici</u> , F. O. DOX 990, Velulia, VA 24402

GATHRIGHT WILDLIFE MANAGEMENT AREA

SAMPLE TIMBER SALE CONTRACTGATHWMA FY2021-001

(Regeneration Harvest)

THIS AGREEMENT, made and entered into this February 16, 2021, by and between the Commonwealth of Virginia, Department of Wildlife Resources hereinafter called DWR, and, of, Virginia, hereinafter called the Purchaser.
WITNESSETH THAT:
ARTICLE I
(1) DWR agrees to sell and the Purchaser agrees to buy all the standing timber designated for cutting within 70.1 acres of five units and a road daylighting with blue painted cutting boundaries. See attached map, for unit location and consult Virginia highway map. The volume is estimated to be approximately 2040 standard cords of pulpwood and 952,020 board feet of sawtimber.
(2) DWR guarantees the title to said timber and to defend it against any and all claims for taxes, mortgages or other legitimate encumbrances at its own expense.
(3) DWR hereby expressly grants to the Purchaser the right of ingress and egress across and upon the sale area.
ARTICLE II
(1) The Purchaser agrees to pay DWR for this harvestable timber within the five cutting units and a road daylighting a price of\$.
(2) The initial down payment of 15% will go toward payment of the timber to be harvested. The balance of the sale price will be due when harvesting operations begins. Checks are to be made payable to the Treasurer of Virginia and sent to Kent Burtner , Forester , Virginia Department of Wildlife Resources , P.O. Box 996, Verona, VA 24482.
(3) No timber shall be cut, nor shall this contract be deemed to be in effect until the appropriate signatures have been affixed to this contract.

ARTICLE III

removed on or before February 16, 2023.

(1) Timber harvested hereunder shall be felled, skidded and concentrated in such manner as to cause the least possible waste and a minimum of damage to streams, creeks, springs and soils.

rights for noncompliance of contract provisions, all stumpage to be harvested in this harvest shall be

(a) Harvesting shall be performed by certified logging crews (SHARP LOGGER or equivalent) and a valid certificate shall be submitted to the Virginia Department of Wildlife Resources prior to the start of any harvesting activities.

Unless a written extension of time is granted by the DWR, or barring forfeiture of cutting

- (b) Stumps shall be cut in such manner as to cause the least possible waste and not higher than ten inches above ground level.
- (c) All trees 2 inches in diameter at breast height (DBH) and larger shall be felled within the cutting boundaries except the following: Dogwood, Persimmon or Serviceberry. In unit 3 cut only trees 14" DBH and larger and cut all pine in unit 3. Cut orange marked trees in units 4 &5. Den trees are to be left standing. Logging debris accumulated outside the harvest area shall be pulled back within the area unless otherwise specified by the DWR. Logging debris should not be left in large piles at the deck. To the extent possible, logging debris should be evenly distributed across the logging site. Logging slash will be distributed as evenly as possible across the sites harvested and will be removed from the major forest roads.
- (d) No trees, laps or logging debris will be left in streams, creeks or springs.
- (e) The Purchaser and DWR shall mutually lay out the designated system of skidding trails and loading decks over which the timber sold hereunder shall be removed. All skidding and assembling activities will be confined to these trails and loading decks and no other. Stand access will be designated as shown on the attached sketch maps, or as mutually agreed upon.
- (f) DWR and the Purchaser shall mutually agree to postpone logging activities during such time as these activities would result in detrimental consequences to forest soils during prolong periods of inclement weather. The harvest period may be extended by the number of days which the inclement weather forces the suspension of the harvest.
- (2) Sawtimber, pulpwood or other products produced by the Purchaser from standing trees shall be removed in such a manner as to cause the least possible damage to the existing main haul roads and no public hazard at entrance ways to primary and secondary Virginia highways.
 - (a) Access to the harvest area is adequate and main hauls will be confined to this system for all personnel, materials and logging equipment including transport trucks necessary for the removal of said timber; the right to designate or approve the location of any new road across DWR land is specifically reserved.
 - (b) All such new roads with the exception of skidding roads constructed by the Purchaser and all existing roads within the harvest area shall be left in passable condition (usable by pickup truck) during the contract period. Upon completion of this contract, existing roads shall be restored to a condition equal to or better than the condition prior to the beginning of the logging operation." <u>Buyer to</u> purchase a minimum of 100 tons of gravel to maintain the access roads.
 - (c) The Purchaser shall comply with the Water Quality and BMP standards listed in the "Virginia's Forestry Best Management Practices for Water Quality, Fourth Edition" issued by the Virginia Department of Forestry, as well as all applicable laws and regulations of the Commonwealth of Virginia. The Department reserves specifically the right to request corrective action of the Purchaser in maintenance of culvert pipes, water bars, side ditches, lead-off ditches and seeding/stabilization where destructive action of the Purchaser has contributed to an erosion problem.

- (d) The Purchaser shall guard against the unnecessary transfer of mud and debris by vehicle onto the public highway system of the Commonwealth of Virginia, whereby the same poses a threat to public safety. Furthermore, the Purchaser assumes the responsibility for the preventive and/or corrective action necessary to eliminate this source of hazard should the problem develop.
- (e) The purchaser will assume the responsibility for stabilizing against erosion on the harvest areas, used forest roads and trails according to the Water Quality BMP Handbook.
- (3) The Purchaser agrees to exercise the utmost care and caution to prevent the inception and spread of fires on the area for sale and on adjoining areas. The Purchaser further agrees to observe and comply with all the forest fire laws of the State of Virginia which may be applicable. The Purchaser will be held liable for costs associated with controlling any fire caused by the harvest operation or for fire damage to residual trees and adjacent forest stands.

(4) ROAD AGREEMENT

The contractor shall furnish all labor, equipment, tools and materials, as necessary, to construct **3,940** feet (+/-) of new road on Gathright WMA in Bath County, Virginia. The project will be an out sloped roadbed with culverts installed and broad based dips constructed at designated locations.

ROADBED, DITCH AND ROAD CONSTRUCTION

The project work area outside timber sale units is delineated by trees marked with blue and the road centerline identified with red paint. Contractor shall remove trees, brush, rock, etc., as necessary, along the 3,940 foot sections of the new construction project area and utilize materials on site to construct an out sloped road that meets the minimum requirements described in the attached out slope detail (Attachment #1). All suitable or excess material shall be disposed of at the toe of fills, by flattening fill slopes and/or at other locations approved by the Department Representative. All side slopes greater than 5 feet shall be placed on a 2:1 ratio.

Culverts will be provided by DWR where needed. All culverts greater than 24 inches in diameter shall be mechanically compacted; the lifts at these culvert locations shall be no more than 2 feet. All other culverts may be machine compacted. Contractor shall construct rock headwalls at inlet end of drainage pope to prevent intake cave-in. Headwalls shall be made from natural stone or class 1 riprap. All broad based dips will be constructed at locations specified by the Department Representative and will meet the minimum requirements described in the attached drainage dip detail (Attachment #2).

Purchaser shall purchase and place a minimum of 400 tons of stone (this is in addition to 2.b above). Purchaser shall also purchase and place additional stone as required to keep the road in Virginia BMP compliance. Stone shall be no smaller than VA #5 or as approved by the Department. Placement of stone shall be determined by the Department representative on an as needed basis. All stone shall be purchased and placed within the contract period. No rock greater than 3" will stick above grade. Contractor shall remove all construction materials and debris from the project site before final inspection.

(5) The purchaser shall notify the Department when harvesting begins and at least 1 business week before completion of sale.

DWR reserves the right to postpone timber removal under terms of this contract for gross noncompliance with the agreed upon provisions herein, to the extent, however, that in case of dispute over the terms of this agreement, DWR and the Purchaser agree to accept the decision of an arbitration board of three selected persons. Each of the contracting persons will select one person and the two selected will select a third to form this board. In the event a satisfactory decision is not reached, appeal to the local Circuit Court is available.

ARTICLE V

- (1) The Purchaser's signature on the face of this bid certifies that this bid is made without prior understanding, agreement, or connection with any corporation, firm or person submitting a bid for the same material and is in all respects, fair and without collusion or fraud. The Purchaser understands that collusive bidding is a violation of the Virginia Governmental Fraud Act and federal law and can result in fines, prison sentences, and civil damage awards. The Purchaser agrees to abide by all conditions of this bid/proposal.
- (2) The Purchaser, and all solicitations and advertisements for employees placed by or on behalf of the Purchaser, will state that such Purchaser is an equal opportunity employer.
 - (a) The Purchaser will not discriminate against any employee or applicant for employment because of race, religion, color, sex or national origin, except where religion, sex or national origin is a bonafide occupational qualification reasonably necessary to the normal operation of the Purchaser.
 - (b) The Purchaser agrees to post in conspicuous places, available to employees and applicants for employment, notice setting forth the provisions of this nondiscrimination clause.
- (3) <u>DRUG FREE WORKPLACE</u>: The Contractor acknowledges and certifies that it understands that the following acts by the Contractor, its employees, and/or agents performing services on state property are prohibited:
 - (a) The unlawful manufacture, distribution, dispensing, possession or use of alcohol or other drugs; and
 - (b) Any impairment or incapacitation from the use of alcohol or other drugs (except the use of drugs for legitimate medical purposes).

The Contractor further acknowledges and certifies that it understands that a violation of these prohibitions constitutes a breach of contract and my result in default action being taken by the Commonwealth in addition to any criminal penalties that may result from such conduct.

- (4) The Purchaser/bidder certifies and warrants that by his signature on the face of this bid he has neither offered nor received any kickbacks from any other bidder in connection with his bid on this solicitation. A kickback is defined as an inducement for the award of a contract, in the form of any payment, loan, subscription, advance, deposit of money, services or anything, present or promised, unless consideration of substantially equal or greater value is exchanged. Further, no person shall demand or receive any payment, loan subscription, advance, deposit of money, services or anything of value in return for an agreement not to compete on a public contract.
- (5) No bidder shall confer on any public employee having official responsibility for a procurement transaction any payment, loan, subscription, advance, deposit of money, services or anything of more than nominal value, present or promised, unless consideration of substantially equal or greater value is exchanged.

- (6) The Purchaser/contractor shall indemnify, and hold harmless the Commonwealth of Virginia, its offices, agents and employees from any claims, suits, liability or damage arising from or caused by negligence on the part of the Purchaser/Contractor in harvesting the timber herein conveyed.
- (7) This contract may not be assigned, sublet or transferred without the written consent of the Department.
 - (8) <u>INSURANCE</u>: By signing and submitting a bid under this solicitation, the bidder or offer or certifies that if awarded the contract, it will have the following insurance coverages at the time the contract is awarded. For construction contracts, if any subcontractors are involved, the subcontractor will have workers' compensation insurance in accordance with §§ 11-46.3 and 65.2-800 et seq. of the *Code of Virginia*. The bidder or offer or further certifies that the contractor and any subcontractors will maintain these insurance coverages during the entire term of the contract and that all insurance coverages will be provided by insurance companies authorized to sell insurance in Virginia by the Virginia State Corporation Commission.

INSURANCE COVERAGES AND LIMITS REQUIRED:

- a. Workers' Compensation Statutory requirements and benefits. Coverage is compulsory for employers of three or more employees, to include the employer. Contractors who fail to notify the Commonwealth of increases in the number of employees that change their workers' compensation requirements under the <u>Code of Virginia</u> during the course of the contract shall be in noncompliance with the contract.
- b. Employer's Liability \$100,000.
- c. Commercial General Liability \$1,000,000 per occurrence. Commercial General Liability is to include bodily injury and property damage, personal injury and advertising injury, products and completed operations coverage. The Commonwealth of Virginia must be named as an additional insured and so endorsed on the policy.
- d. Automobile Liability \$1,000,000 per occurrence. (Only used if motor vehicle is to be used in the contract.)
- (9) <u>CHANGES TO THE CONTRACT</u>: The parties may agree in writing to modify the scope of the contract.

WITNESS:	
	PURCHASER
	TELEPHONE NUMBER
Approved under the above conditions	, 2018.
	VDWR

Total Volume	WO/CO	RO/BO	Y-POP	SO	HICKORY	S. MAPLE	CUC	WALNUT	CHERRY	MISC	YP	WP	
DBH													
10	-	-	-	-	-	-	-	-	-	-	-	-	-
12	5,623	4,488	16,184	501	8,233	1,464	950	128	-	77	1,164	-	38,813
14	9,928	13,340	12,188	660	3,226	3,409	2,829	77	-	441	1,154	1,130	48,383
16	19,345	18,488	28,697	1,582	11,201	1,764	1,563	473	146	370	1,147	2,682	87,458
18	23,354	33,678	53,244	762	18,062	6,550	1,472	788	240	1,015	1,945	-	141,110
20	25,726	53,125	75,491	360	14,664	240	3,455	-	1,437	166	2,169	-	176,833
22	24,529	25,011	72,967	4,557	675	514	597	-	-	178	-	-	129,028
24	18,291	26,809	105,676	-	5,886	-	543	-	-	251	-	-	157,456
26	5,177	15,370	24,503	1,498	-	-	2,068	-	-	-	-	-	48,617
28	3,214	5,053	-	-	756	-	-	-	-	-	-	-	9,023
30	6,489	13,420	29,722	-	-	-	-	-	-	-	-	-	49,631
32	4,453	8,813	5,180	-	-	-	-	-	-	-	-	-	18,446
34	-	3,571	21,387	-	-	-	-	966	-	-	-	-	25,924
36	1,227	4,913	12,100	-	-	-	-	-	-	-	-	-	18,240
38	947	880	-	-	-	-	-	-	-	-	-	-	1,827
40	-	1,231	-	-	-	-	-	-	-	-	-	-	1,231
	148,303	228,189	457,340	9,920	62,703	13,941	13,479	2,432	1,823	2,498	7,579	3,812	952,020
													952,020

Unit 1 C8	wo/co	RO/BO	Y-POP	SO	HICKORY	S. MAPLE	CUC	WALNUT	CHERRY	MISC	YP	WP		
DBH														
10	0	0 0	0	0 0	0	0 0	0 0	0 0	0 0	ر	0	J	0	
12	0	759	3717	7 0	5810	0	0 0	0 0	0 0	נ	0	J	0	
14	2384	4 3961	6192	2 0	788	3 2115	5 0	0 0	0 0	ر	0	J	0	
16	3386	5 2370	15429	9 0	8495	5 0	0 0	0 0	0 0	ر	0	ر	0	
18	3036	6 4676	26696	5 0	11493	3560	0 0	0 0	0 0	ر	0	J	0	
20	0	9865	34664	4 0	9498	3 0	1696	5 0	1437	/	0	J	0	
22	1472	2 1472	41450	0 0	0	0	0 0	0 0	0 0	ر	0	J	0	
24	6504	9524	54652	2 0	5886	5 0	0 0	0 0	0 0	ر	0	J	0	
26	1505	5 7148	850	1498	3 0	0	2068	3 0	0 0	ן	0	J	0	
28	0	0 0	0	0 0	0 0	0	0 0	0 0	0 0	ן	0	J	0	
30	3974	4 6039	12148	8 0	0 0	0	0 0	0 0	0 0	ן	0	J	0	
32	2777	7 2777	2777	7 0	0 0	0	0 0	0 0	0 0	ן	0	J	0	
34	0	0 0	0	0 0	0 0	0 0	0 0	0 0	0 0	J	0	J	0	
36	1227	7 2212	8354	4 0	0 0	0 0	0 0	0 0	0 0	ر	0	J	0	
38	0	880	0	0 0	0 0	0 0	0 0	0 0	0 0	J	0	J	0	
40	0	0 0	0	0 0	0	0 0	0 0	0 0	0 0	ر	0	J	0	
	26266	51681	206929	1498	41970	5675	3764	4 0	1437	/ /	0 0	ן	0	339221

Unit 2 C8	wo/co	RO/BO	Y-POP	SO	HICKORY	S. MAPLE	CUC	WALNUT	CHERRY	MISC	YP	WP	
DBH													
10	0	0	0	0	0	0	0	0	C		0	0	
12	750	0	10472	0	750	750	750	0	C		0	0	
14	0	1045	3875	0	0	0	2356	0	C		0	0	
16	0	0	11868	0	0	0	1331	0	C		0	0	
18	0	0	23099	0	1896	2471	0	0	C		0	0	
20	0	819	38449	0	3956	0	0	0	C		0	0	
22	0	1454	26053	0	0	0	0	0	C		0	0	
24	0	1755	47364	0	0	0	0	0	C		0	0	
26	0	2649	20339	0	0	0	0	0	C		0	0	
28	0	0	0	0	0	0	0	0	C		0	0	
30	0	0	15709	0	0	0	0	0	C		0	0	
32	1202	4551	2404	0	0	0	0	0	С		0	0	
34	0	2413	21387	0	0	0	0	0	C		0	0	
36	0	0	3746	0	0	0	0	0	C		0	0	
38	0	0	0	0	0	0	0	0	C		C	0	
40	0	1231	0	0	0	0	0	0	C		0	0	
	1952	15917	224766	0	6602	3221	4436	0	C	C	0	0	256893

Cut all trees 14" DBH and larger. Cut all pine.

Unit 3 C8	WO/0	0	RO/BO	Y-POP	SO	HICKORY	S. MAPLE	CUC	WALNUT	CHERRY	MISC	YP	WP	
DBH														
10												0	0	
12		0	0	0	0	0	0	0	0	0		0	0	
14		1494	0	0	0	0	0	0	0	0		0	1257	
16		9570	4541	0	0	0	0	0	0	0		0	2985	
18	1	0653	14473	0	0	1493	0	1554	0	0		0	0	
20	1	7326	23892	0	0	0	0	1362	0	0		0	0	
22	2	0749	13961	0	4576	0	0	0	0	0		0	0	
24		4216	5577	0	0	0	0	0	0	0		0	0	
26		1960	1960	2375	0	0	0	0	0	0		0	0	
28		1722	1446	0	0	0	0	0	0	0		0	0	
30		0	3486	0	0	0	0	0	0	0		0	0	
32		0	1653	0	0	0	0	0	0	0		0	0	
34		0	0	0	0	0	0	0	0	0		0	0	
36		0	1797	0	0	0	0	0	0	0		0	0	
38		0	0	0	0	0	0	0	0	0		0	0	
40		0	0	0	0	0	0	0	0	0		0	0	
	6	7691	72787	2375	4576	1493	0	2916	0	0	0	0	4243	156079

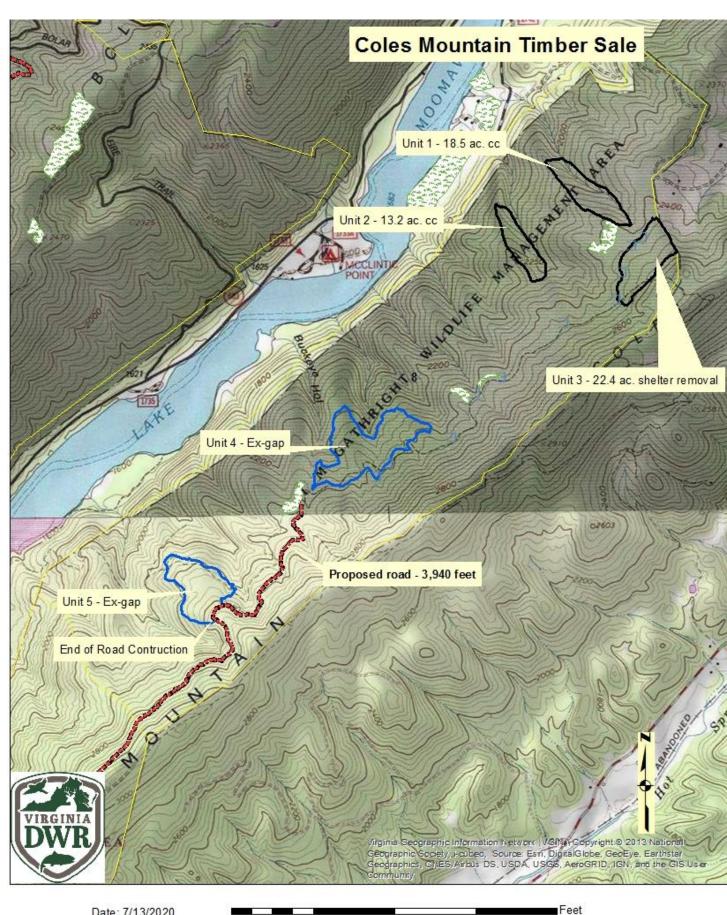
Road Daylight	WO/CO	RO/BO	Y-POP	SO	HICKORY	S. MAPLE	CUC	WALNUT	CHERRY	MISC	YP	WP	
DBH													
10	-	-	-	-		-	-	-	-	-	-	-	
12	826	586	23	-	208	-	124	70	-	77	376	-	
14	1,166	1,314	55	-	210	-	474	77	-	55	238	-	
16	1,825	1,846	160	-	276	-	232	290	-	187	441	-	
18	1,582	1,120	272	-	209	-	76	76	-	395	449	-	
20	1,216	455	-	-	-	-	122	-	-	166	166	-	
22	1,242	292	-	-	-	-	151	-	-	178	-	-	
24	1,045	876	-	-	-	-	-	-	-	251	-	-	
26	629	216	-	-	-	-	-	-	-	-	-	-	
28	397	397	-	-	-	-	-	-	-	-	-	-	
30	790	-	-	-	-	-	-	-	-	-	-	-	
32	-	-	-	-	-	-	-	-	-	-	-	-	
34	-	-	-	-	-	-	-	-	-	-	-	-	
36	-	-	-	-	-	-	-	-	-	-	-	-	
38	-	-	-	-	-	-	-	-	-	-	-	-	
40	-	-	-	-	-	-	-	-	-	-	-	-	
	10,718	7,102	510	-	902	-	1,178	513	-	1,309	1,670	-	23,902

Cut orange marked trees

Unit 4 Exgap	WO/CO	RO/BO	Y-POP	SO	HICKORY	S. MAPLE	CUC	WALNUT	CHERRY	MISC	YP	WP	
DBH													
10	0	0	0	0		0	0	0	0	C	0	0	
12	2564	2488	1650	501	1099	0	309	58	77	C	231	0	
14	3318	4852	1874	660	2090	0	606	0	0	C	160	0	
16	3469	6502	911	1582	1268	0	608	183	0	C	246	0	
18	4525	11879	1300	762	1077	0	330	0	0	C	282	0	
20	5647	16660	1004	360	360	0	240	0	0	C	0	0	
22	1553	7171	. 3084	446	0	0	514	0	0	C	0	0	
24	5976	6408	1086	0	0	0	0	0	0	C	0	0	
26	641	2564	641	. 0	0	0	0	0	0	C	0	0	
28	1270	2504	0	0	0	0	0	0	0	C	0	0	
30	413	1615	737	0	0	0	0	0	0	C	0	0	
32	474	0	0	0	0	0	0	0	0	C	0	0	
34	0	0	0	0	0	0	0	0	0	C	0	0	
36	0	1087	0	0	0	0	0	0	0	C	0	0	
38	0	0	0	0	0	0	0	0	0	C	0	0	
40	0	0	0	0	0	0	0	0	0	C	0	0	
	29850	63730	12287	4311	5894	0	2607	241	77	C	919	0	11991

Cut orange marked trees

Unit 5 Exgap	WO/CO	RO/BO	Y-POP	SO	HICKORY	S. MAPLE	CUC	WALNUT	CHERRY	MISC	YP	WP	
DBH													
10	0	0 0	0	,	0	0	0	0	0	0 0	0 0	0 0	
12	1483	578	3 212		212	2 405	0	0	0	0 0	557	7 0	
14	1718	1866	192		0	688	0	0	0	386	6 756	6 0	
16	2066	2855	329		1163	1156	0	0	146	5 183	3 460	0 0	
18	4500	2280	1226	,	1806	190	0	712	240	620	0 1214	4 0	
20	3297	7 3860	1373	,	850	0	414	1 0	0	0 0	2003	3 0	
22	1620	2080	2380	,	675	0	446	0	0	0 0	0 0	0 0	
24	978	3235	2574		0	0	543	0	0	0 0	0 0	0 0	
26	641	1 1032	540	,	0	0	0	0	0	0	0 0	0 0	
28	0	853	0		756	5 0	0	0	0	0 0	0 0	0 0	
30	1312	2 2634	1128	ı	0	0	0	0	0	0 0	0 0	0 0	
32	0	0 0	0	,	0	0	0	0	0	0	0 0	0 0	
34	0	1158	3 0	,	0	0	0	966	0	0	0 0	0 0	
36	0	0 0	0	,	0	0	0	0	0	0 0	0 0	0 0	
38	947	7 0	0	,	0	0	0	0	0	0	0 0	0 0	
40	0	0 0	0	i	0	0	0	0	0	0 0	0 0	0 0	
	18562	2 22431	9954	. 0	5462	2439	1403	1678	386	5 1189	9 4990	0 0	6849



Date: 7/13/2020 Feet mkb 0 800 1,600 3,200 4,800 6,400 Forest Habitat Project Leader